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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
AMENDMENT TRANSMITTAL LETTER

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on August 12, 2004.

Name M. Ena Ellis

Applicant : Kristine B. Fuimaono, et al.
 Application No. : 10/040,932
 Filed : December 31, 2001
 Title : CATHETER HAVING MULTIPLE SPINES EACH HAVING ELECTRICAL MAPPING AND LOCATION SENSING CAPABILITIES
 Grp./Div. : 3739
 Examiner : Lee S. Cohen
 Docket No. : 39582/AW/W112

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Commissioner:

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TECHNOLOGY CENTER F3700

Post Office Box 7068
 Pasadena, CA 91109-7068
 August 12, 2004

Enclosed is an amendment to the above-identified application.

CLAIMS AS AMENDED											
	Claims Remaining After Amendment	Highest Number Paid For	Number Extra Claims	Small Entity Rate	Large Entity Rate	FEE					
Total Claims Fee	20	*28		x \$9.00	x \$18.00	0					
Independent Claims	3	** 3		x \$43.00	x \$86.00	0					
Multiple Dependent Claims ***				\$145.00	\$290.00	0					
TOTAL FILING FEE						0					
NO ADDITIONAL FEE REQUIRED ****	IF NO FEE REQUIRED, INSERT "0"					0					
LIST INDEPENDENT CLAIMS: 1, 26, 29											
* IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 20 OR LESS, WRITE "20" IN COLUMN 3											
** IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 3 OR LESS, WRITE "3" IN COLUMN 3											
*** PAY THIS FEE ONLY WHEN MULTIPLE DEPENDENT CLAIMS ARE ADDED FOR THE FIRST TIME											
**** IF NO FEE REQUIRED, ADDRESS ENVELOPE TO "BOX NON-FEE AMENDMENTS"											

Attached is our check for \$ to pay the fees calculated above.
 A Petition for Extension of Time and the required fee are enclosed.

Amendment Transmittal Letter
Application No. 10/040,932

Other enclosures:

The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16 and 1.17 which may be required by or to give effect to this paper to Deposit Account No. 03-1728. Please show our docket number with any charge or credit to our Deposit Account.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By 
Anne Wang
Reg. No. 36,045
626/795-9900

AW/cg

CLG PAS579415.1-* 08/12/04 3:50 PM